

- 1 -

## SEQUENCE LISTING

<110> Mediatech Research Limited  
Brownlee (US Only), Gary Russell  
Brown (US Only), Tracey Jean

<120> THE MODULATION OF HYALURONAN SYNTHASE AND DEGRADATION IN THE  
TREATMENT OF DISEASE

<130> 12509900/EJH/HPM

<150> AU 2003905551

<151> 2003-10-10

<150> AU 2003906658

<151> 2003-12-01

<160> 51

<170> PatentIn version 3.1

<210> 1

<211> 27

<212> DNA

<213> human

<400> 1

gagctgaaca agatgcattg tgagagc

27

<210> 2

<211> 29

<212> DNA

<213> human

<400> 2

gacatggtgc ttgatgtatg atcttccat

29

- 2 -

<210> 3  
<211> 18  
<212> DNA  
<213> human

<400> 3  
gcacagatgc gtaaggag

18

<210> 4  
<211> 29  
<212> DNA  
<213> human

<400> 4  
gctgtgtaca tgacctcgcg cttgccgcc

29

<210> 5  
<211> 19  
<212> DNA  
<213> human

<400> 5  
ggcgggaagt aaactcgac

19

<210> 6  
<211> 20  
<212> DNA  
<213> human

<400> 6  
cctgcatcag cggtcctcta

20

<210> 7

- 3 -

<211> 18  
<212> DNA  
<213> human

<400> 7  
gccggtcatc cccaaaag

18

<210> 8  
<211> 27  
<212> DNA  
<213> human

<400> 8  
aacctcttgc agcagtttct tgaggcc

27

<210> 9  
<211> 19  
<212> DNA  
<213> human

<400> 9  
cagtcctggc ttcgagcag

19

<210> 10  
<211> 21  
<212> DNA  
<213> human

<400> 10  
ttgggagaaa agtcttttggc t

21

<210> 11  
<211> 28  
<212> DNA

- 4 -

&lt;213&gt; human

&lt;400&gt; 11

ccattgaacc agagacttga aacagccc

28

&lt;210&gt; 12

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 12

ttgcactgtg gtcgtcaact t

21

&lt;210&gt; 13

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 13

gtcgagggtca aacgttgtga g

21

&lt;210&gt; 14

&lt;211&gt; 32

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 14

tcaaatcaaa aacaggcagg tacaggtagt gg

32

&lt;210&gt; 15

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; human

- 5 -

<400> 15  
aaggtgaagg tcggagtcaa c 21

<210> 16  
<211> 21  
<212> DNA  
<213> human

<400> 16  
gagttaaaag cagccctggt g 21

<210> 17  
<211> 22  
<212> DNA  
<213> human

<400> 17  
tttggtcgta ttgggcgcct gg 22

<210> 18  
<211> 27  
<212> DNA  
<213> human

<400> 18  
gcacagggaa gtcacagatg tatgtgc 27

<210> 19  
<211> 24  
<212> DNA  
<213> human

<400> 19  
ccactgggtca cgttcaggat gaag 24

- 6 -

&lt;210&gt; 20

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 20

gatgtgtatc gccggttatc acgcc

25

&lt;210&gt; 21

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 21

cgtagactgg gagtgcattg ttggc

25

&lt;210&gt; 22

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 22

gcactgatgg aggatacgt gcg

23

&lt;210&gt; 23

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; human

&lt;400&gt; 23

gctgggtgact gcaggccatc gctgc

25

- 7 -

<210> 24  
<211> 21  
<212> PRT  
<213> human

<400> 24

Ala Ala Arg Gly Pro Leu Asp Ala Ala Thr Cys Arg Ala Leu Leu Tyr  
1 5 10 15

Pro Arg Ala Arg Val  
20

<210> 25  
<211> 11  
<212> PRT  
<213> human

<400> 25

Gly Gly Leu Val Arg Ser Val Ala His Glu Ala  
1 5 10

<210> 26  
<211> 17  
<212> PRT  
<213> human

<400> 26

Gly Ala Tyr Arg Glu Val Glu Ala Glu Asp Pro Gly Arg Leu Ala Val  
1 5 10 15

Glu

- 8 -

<210> 27  
<211> 20  
<212> PRT  
<213> human

<400> 27

Cys Cys Thr Gly Cys Ala Thr Cys Ala Gly Cys Gly Gly Thr Cys Cys  
1 5 10 15

Thr Cys Thr Ala  
20

<210> 28  
<211> 19  
<212> PRT  
<213> human

<400> 28

Cys Ala Gly Thr Cys Cys Thr Gly Gly Cys Thr Thr Cys Gly Ala Gly  
1 5 10 15

Cys Ala Gly

<210> 29  
<211> 21  
<212> PRT  
<213> human



- 9 -

&lt;400&gt; 29

Thr Thr Gly Cys Ala Cys Thr Gly Thr Gly Gly Thr Cys Gly Thr Cys  
1 5 10 15

Ala Ala Cys Thr Thr  
20

&lt;210&gt; 30

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; human

&lt;400&gt; 30

Ala Ala Gly Gly Thr Gly Ala Ala Gly Gly Thr Cys Gly Gly Ala Gly  
1 5 10 15

Thr Cys Ala Ala Cys  
20

&lt;210&gt; 31

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; human

&lt;400&gt; 31

Gly Cys Ala Cys Ala Gly Gly Gly Ala Ala Gly Thr Cys Ala Cys Ala  
1 5 10 15

Gly Ala Thr Gly Thr Ala Thr Gly Thr Gly Cys  
20 25

- 10 -

<210> 32  
<211> 27  
<212> PRT  
<213> human

<400> 32

Gly Cys Ala Cys Ala Gly Gly Gly Ala Ala Gly Thr Cys Ala Cys Ala  
1 5 10 15

Gly Ala Thr Gly Thr Ala Thr Gly Thr Gly Cys  
20 25

<210> 33  
<211> 27  
<212> PRT  
<213> human

<400> 33

Gly Cys Ala Cys Ala Gly Gly Gly Ala Ala Gly Thr Cys Ala Cys Ala  
1 5 10 15

Gly Ala Thr Gly Thr Ala Thr Gly Thr Gly Cys  
20 25

<210> 34  
<211> 18  
<212> PRT  
<213> human

<400> 34

- 11 -

Gly Cys Cys Gly Gly Thr Cys Ala Thr Cys Cys Cys Cys Ala Ala Ala  
1 5 10 15

Ala Gly

<210> 35  
<211> 21  
<212> PRT  
<213> human

<400> 35

Thr Thr Gly Gly Gly Ala Gly Ala Ala Ala Ala Gly Thr Cys Thr Thr  
1 5 10 15

Thr Gly Gly Cys Thr  
20

<210> 36  
<211> 21  
<212> PRT  
<213> human

<400> 36

Gly Thr Cys Gly Ala Gly Gly Thr Cys Ala Ala Ala Cys Gly Thr Thr  
1 5 10 15

Gly Thr Gly Ala Gly  
20

- 12 -

<210> 37  
<211> 21  
<212> PRT  
<213> human

<400> 37

Gly Ala Gly Thr Thr Ala Ala Ala Ala Gly Cys Ala Gly Cys Cys Cys  
1 5 10 15

Thr Gly Gly Thr Gly  
20

<210> 38  
<211> 24  
<212> PRT  
<213> human

<400> 38

Cys Cys Ala Cys Thr Gly Gly Thr Cys Ala Cys Gly Thr Thr Cys Ala  
1 5 10 15

Gly Gly Ala Thr Gly Ala Ala Gly  
20

<210> 39  
<211> 25  
<212> PRT  
<213> human

<400> 39

- 13 -

Cys Gly Thr Ala Gly Ala Cys Thr Gly Gly Gly Ala Gly Thr Gly Cys  
1 5 10 15

Ala Thr Gly Gly Thr Thr Gly Gly Cys  
20 25

<210> 40  
<211> 25  
<212> PRT  
<213> human

<400> 40

Gly Cys Thr Gly Gly Thr Gly Ala Cys Thr Gly Cys Ala Gly Gly Cys  
1 5 10 15

Cys Ala Thr Cys Gly Cys Thr Gly Cys  
20 25

<210> 41  
<211> 27  
<212> PRT  
<213> human

<400> 41

Ala Ala Cys Cys Thr Cys Thr Thr Gly Cys Ala Gly Cys Ala Gly Thr  
1 5 10 15

Thr Thr Cys Thr Thr Gly Ala Gly Gly Cys Cys  
20 25

- 14 -

<210> 42  
<211> 28  
<212> PRT  
<213> human

<400> 42

Cys Cys Ala Thr Thr Gly Ala Ala Cys Cys Ala Gly Ala Gly Ala Cys  
1 5 10 15

Thr Thr Gly Ala Ala Ala Cys Ala Gly Cys Cys Cys  
20 25

<210> 43  
<211> 32  
<212> PRT  
<213> human

<400> 43

Thr Cys Ala Ala Ala Thr Cys Ala Ala Ala Ala Cys Ala Gly Gly  
1 5 10 15

Cys Ala Gly Gly Thr Ala Cys Ala Gly Gly Thr Ala Gly Thr Gly Gly  
20 25 30

<210> 44  
<211> 22  
<212> PRT  
<213> human

<400> 44

Thr Thr Thr Gly Gly Thr Cys Gly Thr Ala Thr Thr Gly Gly Gly Cys

- 15 -

1                      5                      10                      15

Gly Cys Cys Thr Gly Gly  
20

<210> 45

<211> 27

<212> PRT

<213> human

<400> 45

Gly Ala Gly Cys Thr Gly Ala Ala Cys Ala Ala Gly Ala Thr Gly Cys  
1                      5                      10                      15

Ala Thr Thr Gly Thr Gly Ala Gly Ala Gly Cys  
20                      25

<210> 46

<211> 29

<212> PRT

<213> human

<400> 46

Gly Ala Cys Ala Thr Gly Gly Thr Gly Cys Thr Thr Gly Ala Thr Gly  
1                      5                      10                      15

Thr Ala Thr Gly Ala Thr Cys Thr Thr Cys Cys Ala Thr  
20                      25

<210> 47

- 16 -

<211> 18  
<212> PRT  
<213> human

<400> 47

Gly Cys Ala Cys Ala Gly Ala Thr Gly Cys Gly Thr Ala Ala Gly Gly  
1 5 10 15

Ala Gly

<210> 48  
<211> 29  
<212> PRT  
<213> human

<400> 48

Gly Cys Thr Gly Thr Gly Thr Ala Cys Ala Thr Gly Ala Cys Cys Thr  
1 5 10 15

Cys Gly Cys Gly Cys Thr Thr Gly Cys Cys Gly Cys Cys  
20 25

<210> 49  
<211> 19  
<212> PRT  
<213> human

<400> 49

Gly Gly Cys Gly Gly Gly Ala Ala Gly Thr Ala Ala Ala Cys Thr Cys  
1 5 10 15



- 17 -

Gly Ala Cys

&lt;210&gt; 50

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; human

&lt;400&gt; 50

Gly Thr Gly Ala Ala Ala Cys Cys Cys Cys Gly Thr Cys Thr Cys Thr  
1 5 10 15

Ala Cys Thr Ala Ala Ala Ala Ala Thr Ala Cys Ala Ala Ala  
20 25 30

&lt;210&gt; 51

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; human

&lt;400&gt; 51

Gly Cys Gly Ala Thr Cys Thr Cys Gly Gly Cys Thr Cys Ala Cys Thr  
1 5 10 15

Gly Cys Ala Ala  
20